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APPENDIX, No. IV*.

METEOROLOGICAL OBSERVATIONS,
MADE AT PORT LOUIS, IN THE MAURITIUS,
DURING THE YEAR 1828.

*Communicated by His Excellency Lieut.-General the Hon. SIR C. COLVILLE, G.C.B., &c.,
through SIR ALEXANDER JOHNSTON, V.P.R.A.S.*

AVERAGE STATE OF THE THERMOMETER, BAROMETER, AND PLUVIOMETER, DURING THE PERIOD FROM JAN. 1st to DEC. 31st 1824.

Months.	Stations.	Thermometer.			Barometer.			Winds.	Weather.	Pluviometer
		Maxi- mum.	Medi- um.	Mini- mum.	Maximum.	Medium.	Minimum.			
January . . .	Port Louis .	89	82	74	30.00	29.09	29.08	E. and S.E.	{ Fair in the early part of the month, and heavy rain on the 15th, 16th, 17th, 18th, and 20th, accompanied with very heavy thunder and lightning... }	Inches. 2.87
	Grand Port	88	84	78	29.90	29.84	29.60	N.N.E. and S.E.	Fine.....	*
February ..	Port Louis .	89	85	81	29.09	29.08	29.07	Very variable.	{ Cloudy, with heavy rain in the early part of the month, and distant thunder on the 26th..... }	5.00
	Grand Port	88	85	82	29.70	29.83	29.60	N.W.	Fine.....	*
March	Port Louis .	87	84	80	29.09	29.05	29.03	Very variable.	{ Fair in the early part of the month; hurricane on the 6th and 7th, with much rain, thunder, and vivid lightning; the latter part of the month rainy, with moderate breezes..... }	13.07
	Grand Port	85	82	78	29.82	27.70	29.04	N. and N.E.	{ Cloudy with rain. Hurricane on the night of the 6th. Barometer descended to 27.04..... }	*
April	Port Louis .	83	77	72	30.00	29.60	29.30	N.W.	{ Very high wind and heavy rain on 23d, 24th, and 25th of March. Remnin- ing part of the month windy, with occasional heavy showers at night }	6.63
	Mahébourg	84	79	73	30.00	29.60	29.30	Variable.	Cloudy with small rain.....	*
May	Port Louis .	80	76	72	30.30	30.00	29.90	Variable.	Strong winds, accompanied with rain occasionally.....	0.67
	Mahébourg	80	76	74	30.30	30.00	29.90	S.E. Variable.	Generally fair, with small rain.....	*
June	Port Louis .	80	75	71	30.00	29.99	29.90	Variable.	Generally fair, with small rain.....	0.66
	Mahébourg	77	74	71	30.00	29.90	29.90	S.E. fresh.	{ Strong winds, accompanied with heavy rains occasionally, particularly at night..... }	*
July	Port Louis .	77	73	70	30.15	29.18	29.15	S. light.	Generally fair.....	0.25
	Mahébourg	77	74	72	30.15	30.00	29.15	S.E. light.	Cloudy, with occasional showers and moderate breezes.....	*
August . . .	Port Louis .	77	72	68	30.15	30.15	30.00	S.	{ Fair in the early part of the month, and heavy rain on the 11th and 12th, accompanied with distant thunder and lightning..... }	2.13
	Mahébourg	77	73	69	30.15	30.00	29.15	S.E. fresh.	Cloudy, with fresh breezes and heavy rain.....	*
September.	Port Louis .	80	76	73	30.15	30.15	30.00	S.E.	Fair.....	0.27
	Mahébourg	80	75	70	30.15	30.15	29.15	Variable.	{ Cloudy, with fresh breezes and passing showers, particularly in the afternoon..... }	*
October . . .	Port Louis .	82	77	72	30.02	30.01	30.01	Variable.	Generally fair.....	0.21
	Mahébourg	80	77	74	30.01	30.00	29.09	Variable.	Clear, with occasional showers and moderate breezes.....	*
November .	Port Louis .	83	79	75	30.09	30.00	30.00	N. and S.W.	{ Generally fair, cloudy days, and heavy rains on the 29th October and 17th November..... }	1.29
	Mahébourg	82	78	75	30.00	29.09	29.08	S.E. light.	Clear, with light rains occasionally.....	*
December .	Port Louis .	86	83	77	30.05	30.00	30.00	Very variable.	Fair and cloudy at intervals.....	0.44
	Mahébourg	86	83	81	30.00	29.09	29.08	N.W.	{ Cloudy, with fresh breezes and occasional heavy rain, with distant thun- der and lightning on the 28th November..... }	*

* No Pluviometer at head-quarters, Mahébourg.

GENERAL TABLE OF METEOROLOGICAL OBSERVATIONS, MADE AT PORT LOUIS, IN THE MAURITIUS, DURING THE YEAR 1828.

Month.	General Remarks on the Weather.	Hygrometer.		Thermometer.		Barometer.		Prevailing Winds.	Rain.		Thunder Days.
		Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.		Days.	Quantity.	
January . . .	{ Moderate and variable winds during this month. Storms : but little rain. }	° 95·7	° 78·0	° 31·7	° 24·4	Inches. 28 3·11	Inches. 28 0·2	N.N.E.	14	Lines. 58·2	6
February . .	{ Fresh breezes from the N. to the N.E. Lightning. Storms. The sea much agitated. }	° 96·3	° 79·7	° 32·3	° 24·8	28 2·11	28 0·0	N.E.	13	31·3	2
March	{ A hurricane from the 6th to the 7th, with storms. An extremely violent squall from the S.W. on the 21th. . . }	° 100·5	° 78·0	° 32·0	° 23·4	28 3·10	27 4·0	N.E.	17	364·0	3
April	{ Gentle and variable winds. Some storms. Little rain. The monsoon shifted on the 27th }	° 95·0	° 75·1	° 29·6	° 21·3	28 4·11	28 2·0	S.E., E.S.E.	6	32·8	4
May	{ Gentle and variable winds. Light breezes from the E. in the evenings, and frequently fine weather at night. . }	° 95·0	° 73·0	° 28·3	° 20·5	28 5·2	28 3·0	S.E.	5	10·2	1
June	{ Strong breezes from the S.E. from 9 A.M. to 5 P.M. Light breezes or calms }	° 93·5	° 75·7	° 26·7	° 19·2	28 6·3	28 3·2	S.E., S.	7	9·7	—
July	{ Strong breezes from the E. to the E.S.E., often from four to five days and nights successively. }	° 94·0	° 78·8	° 26·5	° 18·8	28 6·4	28 3·6	E.	6	8·7	—
August	{ Very stiff and almost constant breezes from the S.E. A storm from the S.W. : very little rain }	° 94·8	° 77·3	° 26·3	° 17·8	28 7·0	28 3·7	S.E.	11	25·2	1
September . .	{ Strong breezes from the S.E. to the 16th. Calms. Scarcely any rain }	° 90·3	° 78·1	° 28·5	° 19·3	28 6·3	23 3·2	S.E.	2	3·1	—
October . . .	{ From the 1th to the 9th strong breezes from the S.E. Moderate winds from the E. to the E.S.E. The monsoon shifted on the 27th }	° 97·3	° 75·7	° 28·5	° 20·4	28 6·2	28 2·9	E.	6	8·3	—
November . .	{ Gentle and variable winds. Distant storms Lightning. Gentle breezes frequently changing their direction . . }	° 92·3	° 75·7	° 30·0	° 22·1	28 5·2	28 2·5	Variable.	5	25·2	2
December . .	{ To the 21th, gentle and variable winds from the N.E. to the S.E. Calms. Storms and squalls }	° 96·8	° 73·2	° 31·6	° 23·8	28 4·10	28 0·11	E.	12	98·2	3

OBSERVATIONS.

The highest degree of humidity that has occurred during the year, according to a Hair Hygrometer, was 100°·5, during a tempest at one in the morning on the 7th of March. The Barometer was at 27·5·7, and the Centigrade Thermometer at 26·0. The wind E., with hard squalls and storms. The lowest degree of humidity was 73° at noon on the 14th May, the Barometer being at 28°·4·0, and the Thermometer at 25·5; the wind gentle and variable.

The greatest heat was 32·3 at one in the afternoon, on the 5th of February, the Barometer being at 28·2·5, and the Hygrometer at 81·3, with a light breeze from the N.E. and a distant storm. The least degree of heat was 17·8 on the morning of the 31st of August, when the Barometer was at 28·5·4, and the Hygrometer at 86·8, with a fresh breeze from the S.E. and drizzling rain.

The greatest elevation of the mercury in the Barometer was 28·7 on the 30th of August at noon; the Thermometer being at 22·3, and the Hygrometer at 82·3, with a fresh breeze from the S.E. The least elevation was 28° on the 13th of February, at one in the afternoon; the Thermometer being at 20·7, and the Hygrometer at 89·3, with a fresh breeze from the S.W., and a storm in the N.W.

The S.E. monsoon set in on the 27th of April. During the hurricane of the 6th and 7th of March the Barometer descended to 27·4.

Violent squalls the 23d and 24th of March from the S.E. to S.W. by S.

From the 1st of January to the 31st of December, 56 inches 3 lines and 3·10ths of rain fell.

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REMARKS.

THE preceding Observations were made in the Rue de Pondicherry, at the entrance to the Champ de Lort, at an elevation of 42 feet 11 inches above the level of the sea.

The scale of the Barometer is divided into inches, lines, and twelfths; that of the Thermometer and of the Hygrometer is divided according to the centesimal division, and that of the Eudiometer into lines and tenths. The instruments were examined in the morning half an hour before sunrise, and between noon and one o'clock in the open air; and in the evening at sunset, in the house.